

TABLE OF CONTENTS

VOLUME ONE

Executive Summary.....	i
Preface and Acknowledgements.....	xxviii

Chapter One

Introduction: Passageways to the Island Hills.....1

I. THE PLACE	4
II. THE RESEARCH OBJECTIVES.....	6
III. THE SOURCE MATERIAL.....	7
IV. THE INTERPRETIVE PERSPECTIVES.....	10

PART ONE

THE NATIONS WHO LIVED AMONG THE HILLS

INTRODUCTION.....	14
-------------------	----

Chapter Two

Traces of Diversity: The Prehistoric Record.....17

I. CULTURAL SEQUENCES.....	17
A. PaleoIndian Times (17)	
B. Archaic Period (18)	
C. Prehistoric Phase (19)	
II. HYPOTHESIZED ETHNOLINGUISTIC CONNECTIONS.....	20
A. Mandan (21)	
B. Hidatsa-Crow (21)	
C. Arikara-Pawnee (22)	
D. Ponca (22)	
E. Apache (22)	

F. Comanche, Shoshone, and Ute (23)	
G. Kiowa-Tanoan (23)	
H. Arapaho, Cheyenne, Suhtaio, and Lakota (23)	
III. WIND CAVE IN LIGHT OF BLACK HILLS PREHISTORY.....	24

Chapter Three

<u>The Arrival of Horses & European Trade, 1742-1806</u>	26
I. THE EARLY HISTORIC RECORDS.....	29
II. THE HISTORY OF EARLY TRIBAL OCCUPANCY IN THE BLACK HILLS.....	30
A. Shoshones and Comanches (31)	
B. Apaches (33)	
C. Kiowas (35)	
D. Arapahos and Atsinas (36)	
E. Crows (38)	
F. Cheyennes and Suhtaios (39)	
G. Poncas (42)	
H. Arikaras and Pawnees (43)	
I. Mandans and Hidatsas (45)	
J. Lakotas (46)	
III. WIND CAVE NATIONAL PARK IN REGIONAL PERSPECTIVE.....	50
A. 1742-1781 (50)	
B. 1782-1806 (53)	

Chapter Four

<u>Tribal Movements & the Buffalo Trade, 1807-1850.....</u>	58
I. THE HISTORIC SOURCES.....	59
A. The View from the Missouri River (59)	
B. The View from the Platte River (61)	
C. The View from the Black Hills (61)	
II. CHANGING PATTERNS OF TRIBAL OCCUPANCY IN THE BLACK HILLS.....	63
A. Those Who Left (63)	
B. Those Who Remained (66)	
C. Those Who Arrived (71)	
1. 1807-1829 (71)	
2. 1830-1850 (75)	

III. TRIBAL TIES TO WIND CAVE NATIONAL PARK AND ITS ENVIRONS.....	80
---	----

Chapter Five

Treaties & Broken Promises, 1855-1877.....84

I. THE HISTORIC LITERATURE.....	84
---------------------------------	----

- A. The Agency View (84)
- B. The Military Approach (85)
- C. The Settlers' Outlook (86)
- D. Tribal Perspectives (86)

II. THE EVENTS AND LOCATIONS.....	88
-----------------------------------	----

- A. 1851-1868 (88)
 - 1. The 1851 Treaty of Fort Laramie and Tribal Territories (89)
 - 2. Tribal Locations (90)
 - a. Arapahos and Cheyennes (92)
 - b. Lakotas (92)
 - c. Dakotas (94)
 - d. Arikaras and Poncas (94)
 - 3. Food Shortages and Patterns of Movement (94)
 - 4. The Emigrant Trails and Rising Hostilities (96)
 - 5. The 1868 Fort Laramie Treaty and Its Prelude (99)
- B. 1869-1877 (102)
 - 1. Agency Life (103)
 - 2. Tribal Occupancy of the Black Hills (106)
 - 3. Rumors of Gold (109)
 - 4. American Expeditions in the Black Hills (110)
 - a. The Black Hills Expedition, 1874 (110)
 - b. The Hinman Expedition, 1874 (113)
 - c. The Jenney Expedition, 1875 (115)
 - 5. The Gold Rush and American Settlement (120)
 - 6. The Seizure of the Black Hills (125)
 - 7. Tribal Resistance and Surrender (129)

III. THE BLACK HILLS AND WIND CAVE AREA IN TRANSITION.....	130
--	-----

Chapter Six

Homesteaders & Tourists, 1878 to Present.....133

I. HISTORIC REFERENCES	134
------------------------------	-----

- A. Histories of American Settlements and Developments (134)

B.	Accounts of Continuing Tribal Use (135)	
II.	TRANSITIONS.....	136
A.	The Emergence of a New Social Order, 1878-1902 (136)	
1.	The Stories of European American Settlement (136)	
a.	Trails and Crossroads (137)	
b.	Towns and Settlements (139)	
c.	Industry and Development (147)	
d.	Leisure and Recreation (152)	
2.	Accounts of a Continuing Tribal Presence (153)	
B.	The New Faces of Change, 1903 to the Present (159)	
1.	European American Interests (160)	
a.	The Decline of Traditional Enterprises (160)	
b.	The Growth of Travel and Tourist Enterprises (165)	
c.	Cultural Traditions (169)	
2.	Tribal Interests (171)	
a.	In Tourism (171)	
b.	In Other Economic Pursuits (176)	
c.	In Politics (179)	
III.	WIND CAVE NATIONAL PARK AND ITS MODERN MILEAU.....	184

PART TWO

THE BLACK HILLS **AS COMMON GROUND & CONTESTED TERRAIN**

INTRODUCTION.....	189
-------------------	-----

Chapter Seven

The Social Relations of Land Use and Adaptation.....192

I.	AMERICAN INDIAN RELATIONS AND ADAPTATIONS.....	193
A.	Kin-Based Social Formations (193)	
B.	Productive Orientations (198)	
1.	Broad Spectrum Foraging Orientations (199)	
2.	Semi-Horticultural Orientations (200)	
a.	Long Distance Connections (201)	
b.	Proximate Connections (203)	
3.	Bison-Hunting Orientations (206)	
a.	Local Connections (213)	
b.	Proximate Connections (214)	
c.	Long Distance Connections (216)	

4. Pastoralist Orientations (220)	
5. Early Agency Orientations (221)	
6. Modern Reservation Orientations (224)	
II. EUROPEAN AMERICAN RELATIONS AND ADAPTATIONS.....	227
A. Trade and Trapping Patterns (228)	
B. The Extractive Economies of Gold and Grass (229)	
1. Relations to the Land (229)	
2. Ranch Life (234)	
C. The Rise of Federal Power and Tourism (237)	
1. The Commons and Its Competing User Groups (237)	
2. Tourists and Their Cultures (239)	
III. PERSPECTIVES ON WIND CAVE NATIONAL PARK.....	240

Chapter Eight

<u>Competing Claims, Contested Access.....</u>	245
I. TREATIES AND AGREEMENTS.....	246
A. Atkinson O'Fallon Treaty of 1825 (247)	
B. Fort Laramie Treaty of 1851 (247)	
C. The Treaty of Fort Wise, 1861 (248)	
D. Indian Peace Commission Treaties (249)	
1. The Medicine Lodge Creek Treaties of 1867 (249)	
2. Fort Laramie Treaties of 1868 (250)	
E. Black Hills Agreement, 1875-1877 (251)	
F. The 1889 Agreement (253)	
II. THE SIOUX BLACK HILLS CLAIM AND ITS ADJUDICATION.....	253
A. The Historical Chronology of the Case (255)	
1. The Beginnings of the Claim, 1903-1920 (255)	
2. The Case Before the U.S. Court of Claims, 1921-1949 (256)	
3. The Case Before the Indian Claims Commission, 1950-1956 (258)	
4. The Second Time Around, 1957-1974 (259)	
5. Back to the U.S. Court of Claims, 1975-1977 (261)	
6. Onto the Supreme Court and the Final Judgment, 1978-1980 (261)	
7. The Legal Aftermath of the Supreme Court Decision (262)	
B. The Legal Interpretation of the Case (262)	
C. Why the Supreme Court Decision is No Settlement At All (265)	
1. Historical Perspectives (265)	
2. Economic Reasons (266)	
3. Cultural Rationale (266)	
4. Political Terms (268)	
III. CONGRESSIONAL LAND RECOVERY ACTS.....	269

IV.	LEGAL STATUS OF TRIBAL ACCESS TO FEDERAL LANDS.....	272
A.	Congressional Statues and Executive Orders (272)	
1.	National Historic Preservation Act (272)	
2.	American Religious Freedom Act (272)	
3.	Archaeological Resources Protection Act (272)	
4.	Native American Graves and Repatriation Act (273)	
5.	Indian Sacred Sites Executive Order 13007 (273)	
6.	Consultation with Tribal Governments Executive Order 13084 (273)	
B.	The Court Litigation (273)	
V.	THE STATUS OF WIND CAVE NATIONAL PARK LANDS.....	275

PART THREE

THE BLACK HILLS **AS A FOOD PACK AND SAFE.**

INTRODUCTION.....	279
-------------------	-----

Chapter Nine

<u>Nature and The Cosmos.....</u>	282
I.	THE INDIVISIBILITY OF THE COSMOS.....283
A.	Cheyenne Concepts of Oneness (283)
B.	Lakota Views on Cosmic Singularity (284)
II.	THE ORDER OF THE UNIVERSE.....285
A.	The Cheyenne's View of Cosmic Order (285)
B.	The Lakota's View of Cosmic Order (288)
III.	THE ELEMENTS.....293
A.	Stone (295)
B.	Earth (298)
C.	Sun/Fire (299)
D.	Air/Wind (301)
E.	Water/Thunder (302)
IV.	WIND CAVE NATIONAL PARK IN TRIBAL COSMOLOGIES.....303

Chapter Ten

The Home and Gathering Place of the Animals.....305

I.	THE SOURCE MATERIAL.....	305
II.	FAUNAL DIVERSITY AND CHANGE.....	307
	A. Contemporary Animal Populations (307)	
	B. Historic Animal Populations (308)	
III.	THE BLACK HILLS IN TRIBAL SUBSISTENCE CYCLES.....	314
	A. Specific Hunting Locations in the Black Hills (315)	
	B. Transhumance Movements of Humans and Animals (317)	
IV.	METHODS OF TAKING ANIMALS.....	320
	A. Ungulates (320)	
	B. Carnivores (323)	
	C. Small Herbivores (323)	
	D. Birds and Insects (324)	
	E. Amphibians and Reptiles (325)	
	F. Fish, Mollusks, and Crustaceans (325)	
V.	HUMAN ANIMAL RELATIONS.....	325
	A. Conceptualization and Classification (326)	
	B. Animal Partnerships (329)	
	1. The Creatures of the Sky (330)	
	2. The Creatures of the Land (335)	
	a. Bison (335)	
	b. Other Ungulates (342)	
	c. Carnivores (344)	
	d. Small Herbivores (349)	
	e. Crawling Insects (351)	
	3. The Creatures of the Water (351)	
	4. Spiders (353)	
VI.	UTILIZATION PATTERNS.....	355
	A. As Food (355)	
	B. In Medicine and Hygiene (361)	
	C. In Manufacturing (363)	
	1. Skins, Feathers, and Shells (363)	
	2. Teeth, Bone, and Quill (366)	
	3. Horns, Hoofs, and Claws (367)	
	4. Organs, Fat, Blood, and Cartilage (368)	
	5. Dung (368)	

D. Symbolic and Ceremonial Uses (370)	
1. Skins and Feathers (370)	
a. Restrictions on the Handling of Skins and Feathers (370)	
b. The Contexts of Their Use (371)	
2. Skulls, Bones, and Quills (374)	
3. Hooves, Horns, and Claws (375)	
4. Fat, Cartilage, Organs, and Blood (376)	
5. Dung (376)	
VII. WIND CAVE NATIONAL PARK AND THE ANIMALS.....	378
 Chapter Eleven 	
Gold, Grass, and Gypsum.....	382
I. PLANTS AND MINERALS OF THE REGION.....	383
A. Plants (383)	
1. Woody Plants (384)	
2. Grasses, Rushes, and Sedges (384)	
3. Flowering Forbs (385)	
4. Nonvascular Plants (385)	
B. Minerals and Soils (385)	
II. THE SOURCES AND THEIR HISTORY.....	386
A. European American Views (386)	
B. Tribal Perspectives (388)	
III. HUMAN AND PLANT/MINERAL RELATIONS.....	389
IV. THE BLACK HILLS IN TRIBAL PLANT AND MINERAL PROCURAL.....	391
V. SEASONAL CYCLES IN TRIBAL PROCUREMENT.....	398
VI. PLANTS/MINERALS AND THEIR USES.....	399
A. Plants Used in Food and Food Preparation (399)	
1. Berries, Seeds, Nuts, and Pods (399)	
2. Bulbs, Tubers, and Roots (403)	
3. Leaves, Stalks, Barks, Buds, and Flowers (405)	
4. Saps, Nectars, and Resins (407)	
5. Grasses, Fungi, and Lichen (408)	
B. Plants/Minerals Used in Medicine and Hygiene (408)	
1. Colds and Respiratory Ailments (408)	
2. Gastrointestinal, Liver, and Kidney Ailments (410)	
3. Obstetrical and Gynecological Applications (411)	
4. Anti-Inflammatory and Paralytic Treatments (412)	
5. Dermatological Remedies (413)	
6. Wounds, Injuries, and Bites (414)	

7.	Heart, Back, and Chest Pain (414)	
8.	Headaches, Dizziness, and Psychogenic Complaints (415)	
9.	Treatments for Eyes, Ears, and Nose (415)	
10.	Elixirs, Stimulants, and Compounds (418)	
11.	Hygienic and Cosmetic (418)	
12.	Other Applications (419)	
C.	Veterinary Uses of Plants (419)	
D.	Plant and Mineral Use in Art and Manufacture (421)	
1.	Lodgepoles and Other Structural Uses (421)	
2.	Mats, Containers, and Utensils (422)	
3.	Tools and Weapons (423)	
4.	Musical, Recreational, and Ceremonial Items (424)	
5.	Dyes, Paints, and Tanning Agents (426)	
6.	Fuel and Tinder (427)	
7.	Fumigants (428)	
E.	Plants and Minerals in Symbolism and Ceremony (429)	
1.	Plants and Stones with Ubiquitous Meanings and Uses (429)	
2.	Plants and Stones with Distinctive Meanings and Uses (432)	
a.	Warfare and Protection (434)	
b.	Romance and Fertility (435)	
c.	Signs (435)	
d.	Gifts and Petitions (436)	
VII.	WIND CAVE NATIONAL PARK AND ITS PLANT AND MINERAL LIFE.....	438

VOLUME TWO

PART FOUR

THE BLACK HILLS **AS A SANCTUARY AND SACRED LANDSCAPE.**

INTRODUCTION.....	441
-------------------	-----

Chapter Twelve

<u>Sacred Places and Observances.....</u>	443
--	------------

I.	SACRED LANDFORMS AND LANDSCAPES.....	443
A.	Types of Landforms (444)	
1.	Mountains and Buttes (444)	
2.	Caves (446)	
3.	Springs, Rivers, and Lakes (452)	
4.	Canyons, Rock Outcroppings, and Rock Art (453)	

B.	The Black Hills and Their Landforms (453)	
II.	SACRED COMMUNICATION AND OBSERVANCE.....	455
A.	Sacred Language (456)	
B.	Tribal Religionists (457)	
C.	Spiritual Observances (459)	
1.	Petitioning the Sacred (459)	
2.	Preparing for the Sacred (461)	
3.	Beholding the Sacred (462)	
4.	Renewing the Sacred (464)	
a.	Renewing Life for People (464)	
b.	Renewing Relationships (465)	
c.	Renewing the Nation (466)	
d.	Renewing the Universe (467)	
III.	WIND CAVE NATIONAL PARK IN TRIBAL RELIGIOUS TRADITION.....	471

Chapter Thirteen

The Black Hills As Sacred Ground: The Chronology and The Controversy.....

I.	THE CHRONOLOGY.....	475
A.	The Prehistoric and Early Historic Record, Pre-1877 (475)	
B.	Ethnographic Texts and Writings, 1878-1945 (480)	
1.	The Race Track (482)	
2.	The Southern Hills and Their Peripheries (483)	
a.	The Buffalo Gap (483)	
b.	Hot Springs (484)	
c.	Wind Cave (486)	
d.	Craven and Red Canyons (489)	
e.	Warbonnet Creek and Old Woman Butte (489)	
3.	The Central Hills (490)	
a.	Rapid, French, and Grace Coolidge Creeks (490)	
b.	The Central Prairies: Slate, Gilette, and Reynolds (490)	
c.	Castle Rock and the Cathedral Spires (492)	
d.	Harney Peak and Sylvan Valley (492)	
4.	The Northern Hills and Their Peripheries (493)	
a.	Inyan Kara Mountain (493)	
b.	Sun Dance Mountain and the Black Buttes (494)	
c.	Bear Lodge Butte (495)	
d.	Bear Butte (495)	
e.	Thunder Butte, Slim Buttes, and the Cave Hills (497)	
5.	The Black Hills as a Whole (497)	
C.	The Transitional Years, 1946-1981 (500)	
1.	Lakota Sources (500)	
2.	Ponca Material (503)	

2. Kiowa and Plains Apache Sources (504)	
3. Cheyenne and Arapaho Record (504)	
D. Modern Readings 1982 to Present (505)	
1. Lakota Narratives (505)	
2. The Literature on the Cheyennes and Other Tribal Nations (513)	
3. Other Recent Sources (515)	
II. THE CONTROVERSY.....	516
A. The Critics (516)	
B. The Supporters (518)	
C. The Question of Authenticity and Temporal Depth (520)	
D. The Genealogical Connections (525)	
III. WIND CAVE NATIONAL PARK AND ITS CHRONOLOGY.....	529

Chapter Fourteen

The Sacred Significance of Wind Cave and Its Environs.....530

I. THE TEXTS	531
A. The Origin and Home of the Buffalo (531)	
B. The Lodge of the Winds and Waziya (548)	
C. The Portals Between the Underworld and the Sky World (555)	
D. The Great Race and the Race Track (563)	
II. UNITY IN DIVERSITY.....	572
III. IMPLICATIONS.....	574

Chapter Fifteen

Wind Cave National Park in Cosmology and History.....578

I. THE MOVEMENTS OF THE ANIMALS, THE SUN, AND THE WINDS.....	578
II. THE SEASONS OF PLANT AND MINERAL LIFE.....	589
III. LANDSCAPES AND CEREMONIAL CYCLES.....	594
IV. TRIBAL ALLIANCES AND MOVEMENTS.....	597
V. COMPETING CLAIMS AND CONTESTED STORIES.....	606
VI. RETURNING TO A COMMON GROUND.....	616

Chapter Sixteen

Recommendations: Coming Full Circle.....623

I. EUROPEAN AMERICAN TRADITIONS AND CULTURAL AFFILIATIONS.....624

- A. Local Ranch Culture (624)
- B. The Culture of Regional Tourism (625)
- C. Trails and Travel (625)

II. TRIBAL TRADITIONS AND CULTURAL AFFILIATIONS.....627

- A. The Circle of Consulting Nations (627)
 - 1. The First Circle (629)
 - a. The Lakotas (629)
 - b. The Cheyennes (630)
 - c. The Arapahos (631)
 - d. The Dakotas (Crow Creek and Santee) (631)
 - 2. The Second Circle (632)
 - a. The Dakotas (Yankton, Spirit Lake, Sisseton-Wahpeton, Flandreau & Minnesota Groups) (632)
 - b. The Arikaras (633)
 - 3. The Third Circle (633)
 - a. The Kiowas (633)
 - b. The Plains Apaches (633)
 - c. The Poncas (634)
 - 4. Outside the Circle (634)
 - a. The Comanches (635)
 - b. The Crows (635)
- B. The Identification of Culturally Significant Landscapes and Sites (635)
 - 1. The Race Track (635)
 - 2. Wind Cave (636)
 - 3. The Landscape as a Whole (637)
 - 4. Other Possible Sites (638)
 - 5. Cultural Sensitivities Surrounding Identification of Site Locations (640)
- C. Tribal Access to the Park and Its Resources (643)
 - 1. Access for Religious Observances (643)
 - 2. Access to Resources Used in Traditional Cultural Practices. (645)
- D. Tribal Perspectives in Park Interpretive Programming (646)

III. CONCLUSIONS.....650

BIBLIOGRAPHY.....654

APPENDICES.....698

A. Animals.....698

I. Mammals.....698

Bison (700)
Bighorn (718)
Elk (720)
Blacktail and Whitetail Deer (724)
Pronghorn (729)
Coyote (732)
Wolf (734)
Foxes (738)
Cats (740)
Bears (742)
Badger (746)
Skunk (748)
Otter (749)
Weasel and Associates (750)
Raccoon (751)
Rabbits (753)
Porcupine (754)
Beaver (756)
Prairie Dog (758)
Marmot (759)
Squirrels (760)
Least Chipmunk (760)
Pocket Gopher (761)
Mice and Associates (762)
Bats (763)
Insectivores (764)

II. Birds.....764

Eagles (764)
Hawks (768)
Falcons (770)
Vultures (770)
Owls (771)
Ducks, Geese, Swans, and Grebes (773)
Hérons and Pelicans (775)
Cranes, Killdeers, and Sandpipers (775)
Grouse (777)
Wild Turkey (778)
Doves and Pigeons (779)
Nighthawk (779)
Whippoorwill (779)
Kingfishers (780)
Woodpeckers and Flickers (780)
Larks (782)
Crows, Magpies, and Jays (782)

Swallows (785)	
Thrashers and Associates (786)	
Robins and Associates (786)	
Chickadees (787)	
Nuthatches and Wrens (787)	
Flycatchers (787)	
Vireos, Shrikes, and Waxwings (788)	
Buntings and Grosbecks (788)	
Blackbirds and Associates (788)	
Bobolink, Oriole, and Meadowlark (789)	
Sparrows (790)	
Tohee, Junco, and Finches (791)	
Warblers and Tanagers (792)	
III. Insects and Spiders.....	792
Butterflies, Dragonflies, and Moths (792)	
Crickets, Grasshoppers, and Locusts (794)	
Ants (795)	
Water Insects (796)	
Spiders (796)	
IV. Reptiles and Amphibians.....	799
Frogs and Toads (799)	
Lizards, Newts, and Salamanders (800)	
Snakes (801)	
Turtles (803)	
V. Fish, Crustaceans, and Mollusks.....	804
B. Plants.....	807
I. Non-Vascular Plants: Fungi, Lichens, and Moss.....	807
II. Vascular Plants: Flowering Forbs.....	808
Agave Family (808)	
Water Plantain Family [arrowhead] (810)	
Amaranth Family (811)	
Carrot Family [cowparsnip, sweetcicely, biscuitroot, etc.] (812)	
Dogbane Family [Indian hemp] (815)	
Arum and Gingseng Families (816)	
Milkweed Family (817)	
Aster or Composite Family (818) [*Only some of the more important species listed here]	
yarrow (818)	
ragweed (819)	
pearly everlasting and pussytoes (820)	
sages, spp. (821)	

false boneset (824)
 plains coreopsis (826)
 fetid marigold (826)
 purple coneflower (826)
 fleabanes (828)
 curlycup gumweed (829)
 sunflower (830)
 wild lettuce (831)
 gayfeathers (832)
 rush skeletonplant (833)
 chamomile (833)
 prairie coneflower (834)
 groundsels and ragworts (835)
 goldenrod (836)
 asters, spp. (836)
 Borage Family [gromwell, false gromwell, etc.] (838)
 Mustard Family [wallflower, pepperweed, etc.] (840)
 Cactus Family (843)
 Bellflower, Hemp, and Capper Families (845)
 Honeysuckle, Pink, and Goosefoot Families (846)
 Mangosteen, Spiderwort, and Morning Glory Families (847)
 Dogwood, Stone Crop, and Curbit Families (848)
 Spurge Family (849)
 Legume Family (850) [*Only some of the more important species listed here]
 hogpeanut and groundnut (850)
 milkvetch, spp. (851)
 prairie clover (852)
 American licorice (853)
 crazyweed (854)
 scurfpea, spp. (855)
 Fumitory Family (858)
 Gentian and Geranium Families (859)
 Iris Family (860)
 Mint Family (860) [*Only some of the more important species listed here]
 lavender hyssop (860)
 field mint (861)
 bergamot (862)
 Lily Family (864) [*Only some of the more important species listed here]
 wild onion (864)
 Gunnison's mariposa lily (865)
 false solomon's seal (866)
 deathcamus, spp. (867)
 Flax Family (867)
 Stickleleaf Family (868)
 Mallow Family [scarlet globemallow, etc] (868)
 Indian Pipe, Four O'Clock, and Evening Primrose families (870)
 Orchid, Broomrape, and Woodsorrel families (872)
 Poppy and Plantain families (873)
 Phlox Family (874)
 Milkwort Family (875)
 Buckwheat Family [smartweed, dock, etc.] (875)

Primrose Family (877)
 Wintergreen Family (878)
 Buttercup Family (878) [*Only some of the more important species listed here]
 baneberry (878)
 anemone, spp. (pasqueflower, etc) (879)
 larkspur, spp. (880)
 purple meadowrue (881)
 Rose Family [strawberry, avens, cinquefoils, etc.] (882)
 Madder, Sandalwood, and Saxifrage families (883)
 Figwort Family [paintbrush, beardtongues, etc.] (884)
 Potato Family [groundcherry] (887)
 Cattail Family (887)
 Nettle Family (888)
 Valerian, Verbena, and Violet families (889)

III. Vascular Plants: Grasses, Sedges, Rushes, and Horsetails.....890

[*Only some of the more important families or species listed here]

Grass Family (890)
 bluestem (890)
 grama (891)
 wild rye (893)
 sweetgrass (894)
 Junegrass (895)
 little bluestem (897)
 needlegrass (898)
 Sedge Family [bulrushes] (899)
 Rush Family 901
 Horsetail Family (901)

IV. Woody Plants.....902

Maple Family [box elder] (902)
 Cashew Family (903) [*Only some of the more important families or species listed here]
 skunkbush (903)
 smooth sumac (904)
 poison ivy (905)
 Aster Family (906) [*Only some of the more important families or species listed here]
 Sagebrush (906)
 rabbitbrush (907)
 broom snakeweed (907)
 Barberry Family [Oregon grape] (908)
 Birch Family [birch, hazelnut, ironwood] (908)
 Honeysuckle Family (910) [*Only some of the more important families or species listed here]
 stinking elderberry (910)
 snowberry (910)
 nannyberry (911)
 Staff Tree Family (912)
 Goosefoot Family (912)
 Dogwood Family [redosier] (912)

Cypress Family (914) [*Only some of the more important families or species listed here]	
common juniper (914)	
Rocky Mountain juniper (914)	
Oleaster Family [buffaloberry] (916)	
Heath Family (917) [*Only some of the more important families or species listed here]	
bearberry (917)	
huckleberry and grouseberry (918)	
Legume Family [leadplant and false indigo] (919)	
Beech Family [bur oak] (919)	
Grossularia Family [currants and gooseberries] (920)	
Olive Family [green ash] (922)	
Pine Family [lodgepole, ponderosa, and Black Hills spruce] (922)	
Buttercup Family [western virgin's bower] (924)	
Buckthorn Family (924)	
Rose Family (924) [*Only some of the more important families or species listed here]	
serviceberry (924)	
northern hawthorn (925)	
wild plum (926)	
sandcherry (927)	
chokecherry (928)	
wild rose (930)	
red raspberry (931)	
Willow Family (932)	
poplar, spp. [cottonwood and aspen] (932)	
willows (934)	
Elm Family (936)	
hackberry (936)	
American elm (937)	
Grape Family (937)	
woodbine (937)	
river grape (938)	

C. Minerals.....940

Rocks and Minerals.....	940
-------------------------	-----

Flint and Quartzite (940)	
Gypsum [Selenite] (942)	
Slate (943)	
Limestone and Sandstone (943)	
Granite (943)	
Hematite and Coal (943)	

Clays and Soils.....	944
----------------------	-----

D.Tribal Contacts.....946

FIGURES

1. Map of Eighteenth Century Plains Indian Trade and Trade Routes (28)
2. Map of Probable Tribal Locations, circa 1745 (52)
3. Map of Probable Tribal Locations, circa 1795 (55)
4. Map of Reported Tribal Locations, circa 1805 (56)
5. Map of Locations of Some Early American Trading Posts (62)
6. Map of Reported Tribal Locations, circa 1835 (70)
7. Map of Band Locations of Arapahos, Cheyennes, and Lakotas, circa 1850 (74)
8. Map of Fort Laramie Treaty Lands, 1851 (87)
9. Map of Reported Tribal Locations, circa 1865 (91)
10. Map of Sioux, Cheyenne, & Arapaho Reservations & Hunting Lands. (98)
11. Map of Locations of Agencies and Military Forts (104)
12. Map of Some Reported Locations of Lakota, Cheyenne, and Arapaho Hunting and Camping Sites (108)
13. Map of Routes of U.S. Military Expeditions (112)
14. Map of Early Emigrant Trails to Black Hills: 1874-1876 (122)
15. Map of Early American Towns and Settlements in the Black Hills (140)
16. Map of Locations of European American Settlement Sites at WCNP (144)
17. Map of Sioux Reservation Boundaries 1877 & 1889 (155)
18. Map of Modern Reservation & Tribal Locations (158)
19. Schematic Representation of Tribal Transhumance Movements (205)
20. Locations for Seasonal Procurement Activity (212)
21. Cosmic Tiers in the Cheyenne's Universe (287)
22. Cosmic Coordinates in Lakota Universe (292)
23. Sacred Sites in and Around the Black Hills (491)

24. Spring/Summer Ceremonial Pilgrimage of the Lakotas (508)
25. The Black Hills as the Body of a Bison (534)
26. Kinship Relations of Lakota Deities (551)
27. The Order of the Four Winds (553)
28. Lakota and Cheyenne Culture Hero Sites (558)
29. Lakota Star Map with Parallel Locations in the Black Hills (571)
30. Seasonal Cycle of Use at Wind Cave National Park and Neighboring Locations (591)

TABLES

1. Federal Treaties and Actions with Tribal Nations That Cover the Black Hills and Wind Cave National Park (276)
2. Selected Lakota Names for the Body Parts of Bison and Other Animals (358)
3. List of Animals Historically Located at Wind Cave National Park Taken as Food by the Cheyennes and Lakotas (360)
4. List of Animals Historically Located at Wind Cave National Park Whose Body Parts Used in Manufacturing the Cheyennes and Lakotas (369)
5. List of Animals Historically Located at Wind Cave National Park Whose Body Parts Used in Healing and Religious Observance by the Cheyennes and Lakotas (377)
6. Food Plants at Wind Cave National Park Used by Lakotas, Cheyennes, and Arapahos (406)
7. Medicinal and Hygienic Plants at Wind Cave National Park Used by Lakotas, Cheyennes, and Arapahos (416)
8. Plants at Wind Cave National Park Used in Veterinary Applications by Lakotas, Cheyennes, and Arapahos (420)
9. Plants at Wind Cave National Park Used in Manufacturing by Lakotas, Cheyennes and Arapahos (425)
10. Plants at Wind Cave National Park with Special Spiritual and Ceremonial Significance to the Lakotas, Cheyennes, and Arapahos (437)
11. Periods of Tribal Access to WCNP Before 1877 (599)
12. Types and Times of Utilization in the Black Hills and Wind Cave National Park (607)